IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:								
Jong-hyun LEE								
Applica	Application No.: To be assigned Group Art Unit: Unassigned							
Filed: A	August 22, 2	2003	Examiner: Unassigned					
For:	METHOD A	ND APPARATUS TO ENHANC	E DIGITAL IMAGE QUALITY					
		INFORMATION DISCLOS	SURE STATEMENT					
	nt Commiss dria, Virginia	ioner for Patents 22313						
Sir:								
In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.								
1.	1. Enclosures accompanying this Information Disclosure Statement are:							
	1a.	application or a PCT Internation English language translation (a language publication. Explanations of Relevancy of F providing a concise explanation List of Copending Applications	References (ATTACHMENT 1(e), hereto) for no feach non-English publication.					
2.	2. X This Information Disclosure Statement is filed under 37 CFR §1.97(b): (Check either Item 2a or 2b or 2c or 2d)							
	2a. 🔀 2b. 🗌 2c. 🗍 2d. 🗍	Within three months of the filing Continued Prosecution Applica Within three months of the date § 1.491 in an international appl Before the mailing of a first Office.	g date of a national application other than a tion under § 1.53(d); e of entry of the national stage as set forth in lication. ice Action on the merits; or ice Action after the filing of a Request for					

3.		This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND					
			(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)				
		3a.	The §1.97(e) Statement in Item 5 below is applicable; OR The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is: enclosed.				
			to be charged to Deposit Account No				
4.			mation Disclosure Statement is filed under 37 CFR §1.97(d) after the period in paragraph 3 above, but on or before payment of the Issue Fee, AND The §1.97(e) Statement in Item 5 below is applicable; AND The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is: enclosed.				
			to be charged to Deposit Account No. not yet assigned.				
5.		Statement under §1.97(e) (applicable if Item 3a or Item 4 is checked) (Check either Item 5a or 5b)					
		5a. 🗌	In accordance with 37 CFR §1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.				
		5b. 🗌	In accordance with 37 CFR \$1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in '1.56(c) more than three months prior to the filing of this Information Disclosure Statement.				
6.		This is a continuation/divisional/continuation-in-part application under 37 CFR §1.53(b).					
			(Check appropriate Items 6a and/or 6b)				
		6a. 🗌	Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No, filed on, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. §120, have been omitted pursuant to 37 CFR § 1.98(d).				
		6b. 🗌	Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No, filed on, and				

which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. ' 120, are provided herewith.

7.		This is a continuation/divisional application under 37 CFR ' 1.53(d) or Request for Continued Examination under 37 CFR 1.114.				
			(Check either Item 7a or 7b)			
		7a. 🗌 7b. 🗍	The Issue Fee has not been paid. A Petition to Withdraw from issue under 37 CFR ' 1.313(c) is filed concurrently herewith or has been granted. A continuation application under 37 CFR ' 1.53(d) or Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee is proper in accordance with 37 CFR ' 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.			
8.		This is a	Supplemental Information Disclosure Statement.			
			(Check either Item 8a or 8b)			
		8a. 🗌	This Supplemental Information Disclosure Statement under 37 CFR ' 1.97(f) supplements the Information Disclosure Statement filed on A bona fide attempt was made to comply with 37 CFR ' 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on			
		8b. 🗌	This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR ' 1.97 and 1.98, mailed (MPEP 609 C(1), Form & 6.49, Rev. 1, Feb. 2000, pp. 600-107)			
9.			nce with 37 CFR §1.98, a concise explanation of what is presently to be the relevance of each non-English language publication is:			
			(Check appropriate Items 9a, 9b, 9c and/or 9d)			
		9a. []	satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).)			
		9b. 9c.	set forth in the application. satisfied because an English language translation (complete or relevant			
		9d. 🗌	portion(s)) is attached to each non-English language publication. enclosed as Attachment 1(e), hereto.			
10.	be se	e, material earch repo	on is made that the information cited in this Statement is, or is considered to to patentability nor a representation that a search has been made (other than rt(s) from a counterpart foreign application or a PCT International Search bmitted herewith). 37 CFR §§1.97(g) and (h).			

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. (not yet assigned).

Respectfully submitted,

STANZIONE & KIM, LLP

Dated: <u>august</u> 22 2003 1740 N Street, N.W., First Floor

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known				
INFO	344 A TIO		201 001105	Application Number	n/a			
_			SCLOSURE	Filing Date	August 22, 2003			
STAT	EMENT	BY A	PPLICANT	First Named Inventor	Jong-hyun LEE			
,				Art Unit				
(U	se as many sh	neets as	necessary)	Examiner Name				
Sheet	1	of	1	Attorney Docket Number	101-1001			

			U.S. PATE	ENT DOCUMENTS			
Examiner Cite Initials No.1		Document Number Number - Kind Code ² (if knowr	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		us. 5,956,468	09/21/1999	Ancin			
	2	us- 6,078,697	06/20/2000	Ng			
	3	us6,175,425B1	01/16/2001	Khorram			
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	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages					
Initials	No.1	Country Code 3 -Number 4 - Kind Code 5 (if known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	T6				
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Signature	Considered	. l		

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.